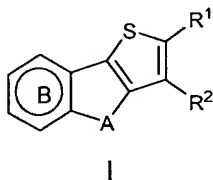


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A compound of formula I



or isomers, tautomers, polymorphs, **[[carriers,]]** prodrugs, or pharmaceutically acceptable salts thereof, wherein;

A is $(\text{CH}_2)_2$ **[[$(\text{CH}_2)_m$ or $(\text{CH}_2)_m\text{-W-(CH}_2)_n$]]**, wherein A is optionally substituted with one or more substituents independently selected from the group consisting of sulfamyl, halo, alkyl, alkoxy, hydroxyl, **[[and]]** haloalkyl, CF_3 , COCF_3 , CN , NO_2 , hydrido, OR^3 , OCOOR^3 , CO_2H , CO_2R^3 , CONH_2 , CONHR^3 , $\text{CON(R}^3)_2$, COR^3 , SR^3 , SOR^3 , SCOOR^3 , SO_2R^3 , NH_2 , NHR^3 , NR^3R^3 , NR^3COR^3 , $\text{NR}^3\text{CONHR}^3$, $\text{NR}^3\text{SO}_2\text{R}^3$, $\text{NR}^3\text{SO}_2\text{NHR}^3$, SO_2NHR^3 , and $\text{SO}_2\text{N(R}^3)_2$;

B is a 6-membered aromatic hydrocarbon ring, **[[optionally]]** substituted with one or more substituents independently selected from the group consisting of OR^3 , SR^4 , $\text{SO}_2\text{N(R}^4)_2$, NHR^4 , NHCOR^4 , NR^4COR^4 , $\text{NHCO(OR}^4)_2$, $\text{NR}^4\text{CO(OR}^4)_2$, NHCONHR^3 , $\text{NR}^3\text{CONHR}^4$, $\text{NR}^3\text{SO}_2\text{R}^4$, NHSO_2R^4 , $\text{NHSO}_2\text{N(R}^4)_2$, $\text{NHCONR}^4\text{R}^4$, CO_2R^4 , $\text{CON(R}^4)_2$, aryl, heteroaryl, heterocyclic, halo, alkylthio, alkylsulfinyl, alkylsulfonyl, cyano, carboxyl, alkoxycarbonyl, amido, N-monoalkylamido, N-monoarylamido, alkyl, alkenyl, alkynyl, N,N-dialkylamido, N-alkyl-N-arylamido, haloalkyl, hydrido, hydroxyl, alkoxy, hydroxyalkyl, haloalkoxy, sulfamyl, N-alkylsulfamyl, amino, alkylamino, and nitro;

[[W is S(O)_p , O, CH=N , N(O)=CH , and NR^4 ;]]

[[m is 0 to 3, inclusive;]]

[[n is 0 to 3, inclusive;]]

[[p is 0 to 2, inclusive;]]

R^1 **[[and R^2 are independently]]** is selected from the group consisting of hydrido, cyano, nitro, hydroxyl, alkyl, hydroxyalkyl, haloalkyl, alkoxy, haloalkoxy, amidine, guanidine, $CONHR^5$, NHR^5 , and $NHCXNHR^5$, wherein X is O, S, or NR^6 ;

R^2 is selected from the group consisting of $CONHR^5$, NHR^5 , and $NHCXNHR^5$, wherein X is O, S, or NR^6 ;

R^3 is selected from the group consisting of hydrido, aryl, heteroaryl, lower alkyl, alkenyl, alkynyl, and heteroalkyl;

R^4 is selected from the group consisting of lower alkyl, aryl, heteroaryl, arylalkyl, heteroalkyl, haloalkyl, arylalkylamino, and heteroarylalkyl, wherein aryl, arylalkyl, heteroaryl, or heteroarylalkyl are optionally substituted with one or more radicals selected from alkyl, alkoxy, halo, haloalkyl, cyano, haloalkoxy, acyl, carboxyl, hydroxy, hydroxyalkyloxy, phenoxy, benzyloxy, dialkylaminoalkyloxy, and heterocyclic;

R^5 is selected from the group consisting of hydrido, alkyl, aminoalkyl, hydroxyalkyl, haloalkyl, and acyl;

R^6 is selected from the group consisting of hydrido, alkyl, cyano, and nitro.

[[with the proviso, when W is $CH=N$ and m is 0, the nitrogen atom in $CH=N$ has to be directly attached to the ring B.]]

Claims 2 and 3 (cancelled).

Claim 4 (currently amended): The compound of claim 1 **[[2 or 3,]]** wherein R^1 is NHR^5 .

Claim 5 (original): The compound of claim 4, wherein R^1 is $NHCOCH_3$.

Claim 6 (currently amended): The compound of claim 1 **[[4]]** wherein R^1 is $NHCONHR^5$.

Claim 7 (cancelled).

Claim 8 (currently amended): The compound of claim 1 **[[2 or 3,]]** wherein R^2 is $CONHR^5$.

Claim 9 (original): The compound of claim 8 wherein R^2 is $CONH_2$.

Claim 10 (original): The compound of claim 8 wherein R^1 is $NHCOCH_3$ or $NHCONH_2$.

Claim 11 (currently amended): The compound of claim 1 that is [[selected from the group consisting of:

3-amino-4,5-dihydronaphtho[1,2-b]thiophene-2-carboxamide,]]
3-amino-8-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-2-carboxamide [[,
3-[(2-aminoethyl)amino]-4,5-dihydronaphtho[1,2-b]thiophene-2-carboxamide
hydrobromide,
3-[(3-aminopropyl)amino]-4,5-dihydronaphtho[1,2-b]thiophene-2-carboxamide
hydrochloride,
3-[(aminocarbonyl)amino]-4,5-dihydronaphtho[1,2-b]thiophene-2-carboxamide,
2-amino-4,5-dihydronaphtho[1,2-b]thiophene-3-carbonitrile,
2-(acetylamino)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide, and
2-[(aminocarbonyl)amino]-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide]].

Claim 12 (currently amended): The compound of claim 1 selected from the group consisting of:

2-[(aminocarbonyl)amino]-7-methoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-
carboxamide,
2-[(aminocarbonyl)amino]-6-methoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-
carboxamide,
2-[(aminocarbonyl)amino]-6,7-dimethoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-
carboxamide,
2-[(aminocarbonyl)amino]-7-isopropyl-8-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-
carboxamide,
2-[(aminocarbonyl)amino]-4,4-dimethyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-
carboxamide,
2-[(aminocarbonyl)amino]-4-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-7-fluoro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-8-fluoro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-4-ethyl-4-methyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-
carboxamide,
2-[(aminocarbonyl)amino]-4,4-diethyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-
carboxamide,

2-[(aminocarbonyl)amino]-8-methoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-methoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-methoxy-5,5-dimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-ethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7,8-dimethoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6,9-dimethoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-methyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7,9-dimethoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6,7-dimethyl-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-ethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7,8-dimethyl-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-tert-butyl-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-propyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-ethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-butyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-propoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-isopropoxy-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-butoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-isobutoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-sec-butoxy-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-methoxy-6-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-methoxy-9-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-isopropyl-8-methoxy-9-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-isopropyl-6-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-isopropyl-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-bromo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-5,5,8-trimethyl-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-chloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-chloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-chloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6,8-dichloro-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7,8-dichloro-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-5,5-dimethyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-4,5,5-trimethyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-hexyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

6-(acetylamino)-2-[(aminocarbonyl)amino]-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-bromo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-fluoro-9-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-4-ethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6,9-dimethyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)[[-]]amino]-7-ethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-propoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-ethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-5-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-hydroxy-8-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-nitro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6,8-dimethoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-fluoro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-fluoro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-methoxy-4-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-methoxy-4-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-chloro-7-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-(hydroxy-methyl)-7-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-bromo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-iodo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-bromo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-iodo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6,8-dimethyl-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-(methylthio)-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-(methylsulfonyl)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-ethynyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-chloro-5-methyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-(methylthio)-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-(methylsulfonyl)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-chloro-5-methyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-(ethylthio)-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-(ethylsulfonyl)-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-chloro-5-methyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-(ethylthio)-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-(ethylsulfonyl)-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-chloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-methoxy-4,4-dimethyl-4,5-dihydronaphtho-[1,2-b-]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-methoxy-7-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-methoxy-8-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-6-methoxy-7-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-9-methoxy-4-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-6,7-diethoxy-4,5-dihydronaphtho[-1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-8-ethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-8-isopropyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-7,9-dimethyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-8-tert-butyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-7-methoxy-9-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-6,8-difluoro-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-7-isopropoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)-amino]-6-chloro-9-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7,9-dichloro-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-(trifluoromethyl)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-methoxy-6-(methylthio)-4,5-dihydronaphtho-[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-methoxy-6-(methylsulfonyl)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6-ethoxy-9-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6,9-diethoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8,9-dimethyl-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7,8-dinitro-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-7-nitro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-8-methoxy-4,7-dimethyl-4,5-dihydronaphtho-[1,2-b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-6-methoxy-5-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-7-iodo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-7-chloro-8-nitro-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-5,8-dimethyl-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-5-ethyl-8-methyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,
benzyl 3-(aminocarbonyl)-2-[(amino-carbonyl)amino]-4,5-dihydronaphtho-[1,2-b]thien-8-yl carbamate,
8-amino-2-[(aminocarbonyl)amino]-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
8-(acetylamino)-2-[(aminocarbonyl)amino]-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-5-isopropyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-6,9-dichloro-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-9-tert-butyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-5,5,7-trimethyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-5-butyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-5-butyl-7-methyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-5-butyl-7-fluoro-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-5-butyl-7-methoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-5-butyl-7,8-dimethoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6,7-dimethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-isopropyl-8-methoxy-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-4,4-dimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-4-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-fluoro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8-fluoro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-4-ethyl-4-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-4,4-diethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-methoxy-5,5-dimethyl-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-9-ethoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-7,8-dimethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6,9-dimethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide

2-(acetylamino)-7,9-dimethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6,7-dimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-ethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7,8-dimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-tert-butyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-propyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6-ethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-7-butyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-9-propoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-9-isopropoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-9-butoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-9-isobutoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-9-sec-butoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-7-methoxy-6-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-
carboxamide,
2-(acetylamino)-8-methoxy-9-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-
carboxamide,
2-(acetylamino)-6-isopropyl-8-methoxy-9-methyl-4,5-dihydronaphtho-[1,2b]thiophene-3-
carboxamide,
2-(acetylamino)-7-isopropyl-6-methoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-
carboxamide,
2-(acetylamino)-7-isopropyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-7-bromo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-5,5,8-trimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6-chloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-7-chloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-8-chloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6,8-dichloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-7,8-dichloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-5,5-dimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-4,5,5-trimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-8-hexyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2,6-bis(acetylamino)-4,5-dihydronaphtho-[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-9-bromo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6-fluoro-9-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-4-ethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6,9-dimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-7-ethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-7-propoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8-ethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-5-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-7-hydroxy-8-methoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-
carboxamide,
2-(acetylamino)-8-nitro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6,8-dimethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6-fluoro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-9-fluoro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6-methoxy-4-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide
2-(acetylamino)-8-methoxy-4-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-
carboxamide,
2-(acetylamino)-6-chloro-7-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-
carboxamide,
2-(acetylamino)-8-(hydroxymethyl)-7-methoxy-4,5-dihydronaphtho[1,2-b]-thiophene-3-
carboxamide,
2-(acetylamino)-6-bromo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6-iodo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-8-bromo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-8-iodo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6,8-dimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6-(methylthio)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6-(methylsulfonyl)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-8-ethynyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-8-chloro-5-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-8-(methylthio)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-8-(methylsulfonyl)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-8-(ethylthio)-4,5-dihydronaphtho[1,2b]thiophene-3-carboxamide,
2-(acetylamino)-8-(ethylsulfonyl)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6-chloro-5-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6-(ethylthio)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-6-(ethylsulfonyl)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,
2-(acetylamino)-9-chloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-methoxy-4,4-dimethyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-8-methoxy-7-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-methoxy-8-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6-methoxy-7-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-methoxy-4-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6,7-diethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8-ethyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-8-isopropyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7,9-dimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide

2-(acetylamino)-8-tert-butyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-methoxy-9-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6,8-difluoro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-isopropoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6-chloro-9-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7,9-dichloro-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-8-(trifluoromethyl)-4,5-dihydronaphtho[1,2-b] thiophene-3-carboxamide,

2-(acetylamino)-9-methoxy-6-(methylthio)-4,5-dihydronaphtho[1,2-b] -thiophene-3-carboxamide,

2-(acetylamino)-9-methoxy-6-(methyl-sulfonyl)-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6-ethoxy-9-methoxy-4,5-dihydronaphtho-[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6,9-diethoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8,9-dimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7,8-dinitro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-nitro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8-methoxy-4,7-dimethyl-4,5-dihydronaphtho[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-6-methoxy-5-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-iodo-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-chloro-8-nitro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-5,8-dimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-5-ethyl-8-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

benzyl 2-(acetyl-amino)-3-(amino-carbonyl)-4,5-dihydronaphtho[1,2-b]-thien-8-yl carbamate,

2-(acetylamino)-8-amino-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2,8-bis(acetylamino)-4,5-dihydronaphtho-[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-5-isopropyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6,9-dichloro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-tert-butyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-5,5,7-trimethyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-5-butyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-5-butyl-7-methyl-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-5-butyl-7-fluoro-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-5-butyl-7-methoxy-4,5-dihydronaphtho[1,2-b]thiophene-3-carboxamide,

and

2-(acetylamino)-5-butyl-7,8-dimethoxy-4,5-dihydronaphtho-[1,2-b]-thiophene-3-carboxamide, [[,

2-(acetylamino)-5,6-dihydro-4H-benzo-[6,7]-cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-chloro-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-8,9-dichloro-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-8-methoxy-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-8-methoxy-6,6-dimethyl-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-methoxy-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8,10-dimethoxy-5,6-dihydro-4H-benzo[6,7]cyclohepta-[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8-methyl-5,6-dihydro-4H-benzo-[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8,9-dimethoxy-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-8-fluoro-9-methoxy-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7-methoxy-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6,9-dimethyl-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-10-methoxy-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-bromo-6-methyl-5,6-dihydro-4H-benzo[6,7]cyclohepta-[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-7,8-dimethoxy-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-6-methyl-5,6-dihydro-4H-benzo-[6,7]cyclohepta-[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-chloro-6-methyl-5,6-dihydro-4H-benzo[6,7]cyclohepta-[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-fluoro-5,6-dihydro-4H-benzo-[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-methyl-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-amino-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-(acetylamino)-9-nitro-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]-thiophene-3-carboxamide,

2-(acetylamino)-9,10-dimethoxy-5,6-dihydro-4H-benzo[6,7]cyclohepta-[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]-thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-chloro-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8,9-dichloro-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-methoxy-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-methoxy-6,6-dimethyl-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-methoxy-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8,10-dimethoxy-5,6-dihydro-4H-benzo-[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-methyl-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8,9-dimethoxy-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-8-fluoro-9-methoxy-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-7-methoxy-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-6,9-dimethyl-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-10-methoxy-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-b]thiophene-3-carboxamide,

2-[(aminocarbonyl)amino]-9-bromo-6-methyl-5,6-dihydro-4H-benzo[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,

**2-[(aminocarbonyl)amino]-7,8-dimethoxy-5,6-dihydro-4H-benzo-
[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-6-methyl-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-
b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-9-chloro-6-methyl-5,6-dihydro-4H-benzo-
[6,7]cyclohepta[1,2-b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-9-fluoro-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-
b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-9-methyl-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-
b]thiophene-3-carboxamide,
9-amino-2-[(aminocarbonyl)amino]-5,6-dihydro-4H-benzo-[6,7]-cyclohepta[1,2-
b]thiophene-3-carboxamide,
2-[(aminocarbonyl)amino]-9-nitro-5,6-dihydro-4H-benzo[6,7]-cyclohepta[1,2-
b]thiophene-3-carboxamide, and
2-[(aminocarbonyl)amino]-9,10-dimethoxy-5,6-dihydro-4H-benzo[6,7]-
cyclohepta[1,2-b]thiophene-3-carboxamide.]]**

Claim 13 (currently amended): A composition comprising the compound of claim 1, **[[2, 3,]]** 11, or 12, and at least one pharmaceutically acceptable carrier.

Claim 14 (currently amended): A method of treating cancer, inflammation or an inflammation associated disorder in a subject, said method comprising administering to the subject having or susceptible to such cancer, inflammation or inflammation associated disorder, a therapeutically-effective amount of a compound of claim 1, **[[2, 3,]]** 11, or 12.

Claim 15 (withdrawn): The method of claim 14 for use in the treatment of cancer.

Claim 16 (withdrawn): The method of claim 14 for use in the treatment of inflammation.

Claim 17 (withdrawn): The method of claim 14 for use in the treatment of an inflammation-associated disorder.

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Amendment dated May 3, 2005
Reply to Office action dated December 3, 2004

Claim 18 (withdrawn): The method of claim 17 wherein the inflammation-associated disorder is arthritis.

Claim 19 (withdrawn): The method of claim 17 wherein the inflammation-associated disorder is pain

Claim 20 (withdrawn): The method of claim 17 wherein the inflammation-associated disorder is fever.

Claim 21 (withdrawn): The method of claim 17 wherein the inflammation-associated disorder is asthma.

Claim 22 (withdrawn): The method of claim 17 wherein the inflammation-associated disorder is inflammatory bowel disease.